

PATENT

Serial No. 10/597,582

Amendment in Reply to Office Action of September 9, 2008

NEW ABSTRACT

Please delete the current Abstract in its entirety and substitute therefor the enclosed New Abstract.

NEW ABSTRACT

A flexible foil which is moveable by light includes a dye which is capable of changing shape when absorbing light of a predetermined wavelength. The dye is dispersed in the foil such that, near at least one major surface of the foil, the dye is anisotropically oriented. Transverse to the foil, the concentration and/or orientation of the dye changes in an asymmetric manner. The change in orientation and/or concentration is such that, when exposed to light of the predetermined wavelength, the flexible foil moves. When exposed the dye changes shape which change in shape causes a change in lateral dimension of the foil which change in lateral dimension is, due to the change in concentration and/or orientation of the dye, different at different locations with the foil. This causes the flexible foil to move or more particular bend.